

ROLLING CIRCLE REPLICATION PRIMER

TERMINAL REPEAT CIRCLE

OLIGONUCLEOTIDE WITH RECOGNITION  
SEQUENCE FOR RESTRICTION ENDONUCLEASE  
AND PRIMER SEQUENCE COMPLEMENTARY TO  
TERMINAL REPEAT CIRCLE

CIRCULAR DNA CONTAINING SEQUENCE  
FOR GENERATION OF ALTR

FIG. 1A

GENERATION OF SINGLE-STRANDED REPEATS BY ROLLING CIRCLE  
REPLICATION

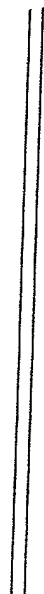
FIG. 1B

GENERATION OF SECOND STRAND BY TANDEM PRIMERS

FIG. 1C

DOUBLE-STRANDED ALTR WITH TAIL SEQUENCE REMAINS AFTER  
REMOVAL OF ssDNA.  
THE LIGATABLE TERMINUS IS GENERATED BY CLEAVAGE WITH A  
SPECIFIC RESTRICTION ENDONUCLEASE

FIG. 1D



GENOMIC DNA FRAGMENT

FIG. 2A

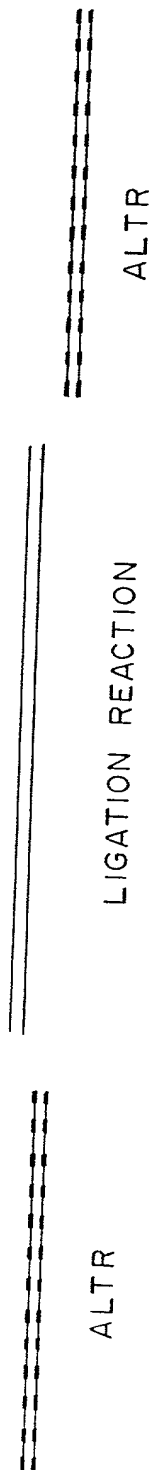


FIG. 2B



GENOMIC DNA FRAGMENT WITH LIGATED ALTRs

FIG. 2C

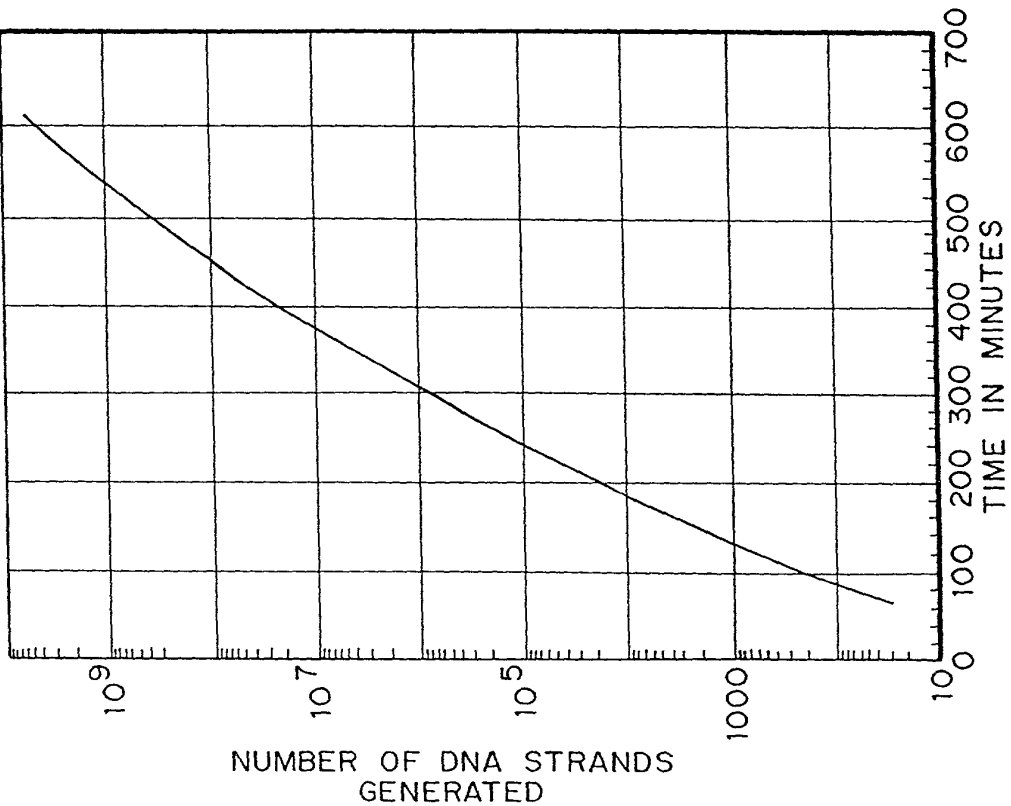


FIG. 4

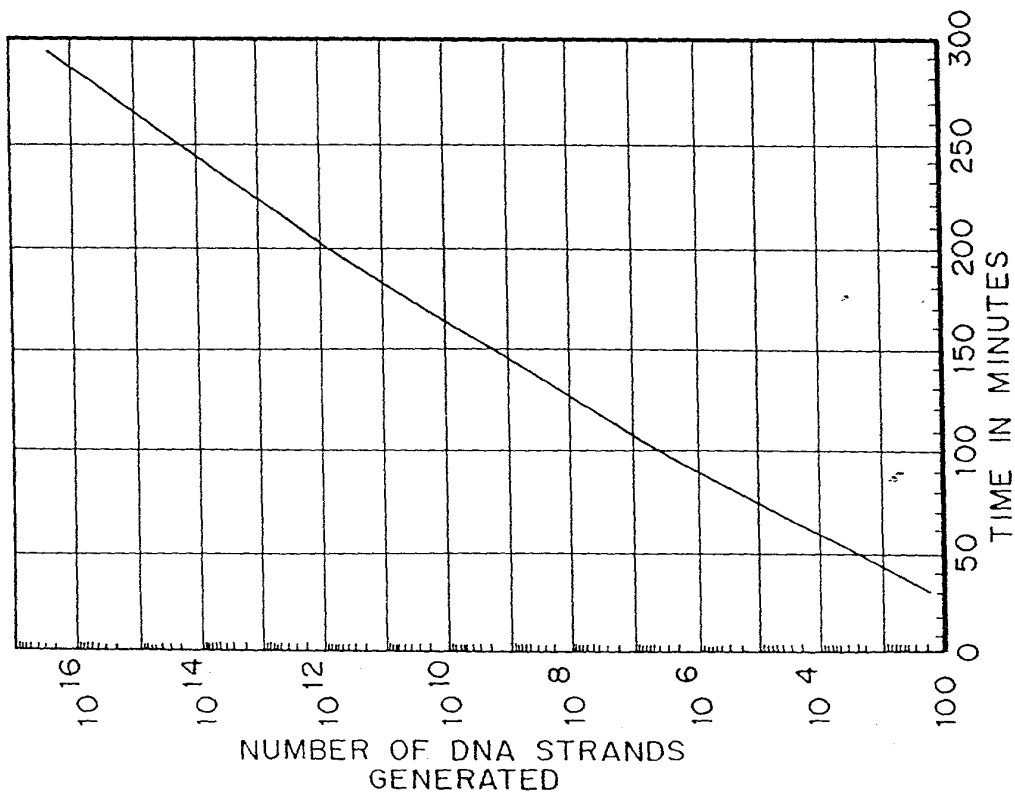


FIG. 3